

**METHOD AND SYSTEM FOR POWER SAVE MODE
IN WIRELESS COMMUNICATION SYSTEM**

ABSTRACT OF THE DISCLOSURE

A user device enters a power save mode in which only the physical layer of its wireless communication system and minimal logic circuitry remains on. In a first implementation the minimal logic circuitry is in the MAC or the digital portion of the radio on a communication card, and the logic monitors the 802.11 traffic indication map (TIM) to determine whether traffic for the user device exists. If it does, the user is alerted or the device is powered on. In an optimum mode the minimal logic circuitry listens for a special sequence unique to the device, and if it detects the sequence leaves the power save mode.